

IN THE CLAIMS

1-64. (Canceled)

65. (Currently amended) A self-contained security and surveillance system for detecting and processing threat emissions data, comprising:

- a plurality set of electromagnetic sensor modules for detecting electromagnetic threat emission data, the set consisting of a visual light sensor module, a high performance night module, a forward looking infrared sensor module, and a laser range finder module;
 - a radio frequency (RF) probe module for detecting threat RF data;
 - an integrated nuclear, biological and chemical sensor module for detecting threat agents data;
 - a hand-held base for individually and interchangeably interfacing with the plurality of sensor modules set of electromagnetic sensor modules, the RF probe module, and the integrated nuclear, biological and chemical sensor module;
 - a common control module for receiving and processing threat emission data, threat RF data, and nuclear, biological and chemical agents data, wherein the control module includes a control processor, an image stabilization sensor, a real-time image processing module, a video switching, decoder, encoder and format conversion module, a magnetic compass, an inclinometer, and a GPS receiver; and
 - a communication link for transmitting received and processed threat emission data, threat RF data, and nuclear, biological and chemical agents data to a base station
- wherein the control module is structured and arranged to receive and process ~~at least one~~ multiple forms of threat emission data, the data provided in the form of nuclear, biological, chemical agents data, threat RF data, and electromagnetic threat emission data, or combinations

thereof, and further wherein processing of ~~at least one form of threat emission~~ data includes the functionalities of noise reduction, contrast enhancement, motion detection and alarm notification, image stabilization, image cropping, filtering, image compression, gain control, integration of geo-location data, digital data storage, and dynamic changes in control module menus and operations as a function of the ~~sensor~~ module employed .

66. (Canceled)

67. (Previously presented) The system of claim 66, wherein the forward looking infrared sensor module is uncooled.

68. (Previously presented) The system of claim 66, wherein the forward looking infrared sensor module is a near-infrared module.

69. (Previously presented) The system of claim 66, wherein the forward looking infrared sensor module is a mid-wave infrared module.

70. (Previously presented) The system of claim 66, wherein the forward looking infrared sensor module is a long-wave infrared module.

71. (Previously presented) The system of claim 65, wherein the base station is remotely located.

72. (Previously presented) The system of claim 65, further comprising a remote image transceiver.

73. (Canceled)

74. (Previously presented) The system of claim 65, wherein the communication link is selected from a group consisting of: a wireless link and a wired link.

75. (Previously presented) The system of claim 65, wherein the base includes a view finder and a display screen.

76. (Previously presented) The system of claim 65, wherein the base includes a contained memory subsystem for storing data detected by the plurality of sensor modules.

77. (Currently amended) A self-contained security and surveillance system for detecting and processing threat ~~emission~~ data, comprising:

- a hand-held receiving means for receiving and processing detected threat emission data, RF probe data, and nuclear, biological, and chemical data;

- a detecting means, removably integrated with the hand-held receiving means, for detecting threat emission data, RF probe data, and nuclear, biological, and chemical data; and

- a communicating means for communicating received and processed threat emission data, RF probe data, and nuclear, biological, and chemical data to a base station

wherein the hand-held receiving means is structured and arranged to receive and process ~~at least one~~ multiple forms of threat ~~emission~~ data, the data provided in the form of nuclear, biological, chemical data, RF probe data, and electromagnetic threat emission data, or combinations thereof, and further wherein processing of ~~at least one form of~~ threat emission data includes the functionalities of noise reduction, contrast enhancement, motion detection and alarm notification, image stabilization, image cropping, filtering, image compression, gain control, integration of geo-location data, digital data

storage, and dynamic changes in control module menus and operations as a function of the sensor module employed .

78. (Currently amended) The system of claim 77, wherein the detecting means is a set of sensor modules selected from a group consisting of: a visual light sensor module; a forward looking infrared sensor module; a RF probe module; a nuclear energy sensor module; a biological agent sensor module; a chemical sensor module; and an integrated nuclear, biological and chemical sensor module.

79. (Previously presented) The system of claim 77, wherein the hand-held receiving means includes a control processor; an image stabilization sensor; a real-time image processing module; a video switching, decoder, encoder and format conversion module; a magnetic compass; an inclinometer; and a GPS receiver.

80. (Previously presented) The system of claim 77, wherein the base station is remotely located.

81. (Previously presented) The system of claim 77, wherein the communicating means is wireless.

82. (Previously presented) The system of claim 77, further comprising a laser range finder.

83. (Currently amended) A method for receiving and processing ~~at least one~~ multiple forms of threat emission data, the method comprising:

removably attaching a sensor module, selected from a plurality of sensor modules, to a base, wherein the plurality of sensor modules consists of a visual light sensor module, a high performance night module, a forward looking infrared sensor module, a laser range finder module,

a radio frequency (RF) probe module, and an integrated nuclear, biological and chemical sensor module;

detecting and receiving threat emission data through one of the plurality of the sensor modules;

processing the threat emission data, in a control module, the control module having a control processor; an image stabilization sensor; a real-time image processing module; a video switching, decoder, encoder and format conversion module; a magnetic compass; an inclinometer; and a GPS receiver, to quantify pre-established parameters; and

communicating the processed threat emission data from the base to a base station

wherein the processing step includes quantifying threat emission data when received.

84. (Previously presented) The method of claim 83, wherein the pre-established parameters are selected from a group consisting of: target identification, direction, location, and emission strength.

85. (Previously presented) The method of claim 83, wherein at least one form of threat emission data is provided in the form of nuclear, biological, chemical and electromagnetic threat emission data, or combinations thereof.